

ARDC



Department of Energy

Idaho Operations Office
850 Energy Drive
Idaho Falls, Idaho 83401-1563

April 15, 1999

Mr. Wayne Pierre, Team Leader
Environmental Cleanup Office
U.S. Environmental Protection Agency
Region X
1200 Sixth Avenue
Seattle, WA 98101

Mr. Dean Nygard, Bureau Chief
Remediation Bureau
Idaho Department of Health and Welfare
Division of Environmental Quality
1410 North Hilton
Boise, ID 83706-1255

SUBJECT: Transmittal Of Engineering Design File (EDF) Hydrogeologic Assessment
Of Nitrate Contamination In Central Facilities Area (CFA) Monitoring Wells
– (OPE-ER-56-99)

Dear Mr. Nygard and Mr. Pierre:

You will find enclosed the EDF, which discusses nitrate detections in monitoring wells at CFA. This EDF summarizes groundwater data collected from November 1994 through June 1998. During this period the concentration of nitrate ranged from 9.5 to 21.3 mg/L in monitoring wells CFA-MON-001 and -002. The maximum contaminant level for nitrate is 10 mg/L, which was consistently exceeded in the wells.

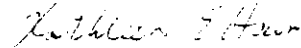
The EDF includes an evaluation of the data, a discussion on the possible sources of nitrate, groundwater modeling, and recommendations for future data collection. This information will also be incorporated in the Operable Unit (OU) 4-12 Post-Record of Decision (ROD) Monitoring Summary Report, which will be submitted for the U.S. Department of Energy, Idaho Operations Office review in May 1999. This EDF also provides the technical basis for requesting a deadline extension for the draft OU 4-13 Comprehensive ROD.

Pierre, Nygard

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If you have any questions regarding this document, please contact Carol Hathaway at (208)526-4049 or me at (208)526-4392.

Sincerely,



Kathleen E. Hain, Director
Environmental Restoration Program

Enclosures

cc: Keith Rose, EPA, ECL-111, 1200 Sixth Avenue, Seattle, WA 98101, (1 enc.)
Clyde Cody, IDHW, 1410 North Hilton, Boise, ID 83706, (1 enc.)
M. Pinzel, GTI (1 copy)